



PSF-151C



150W PSF-151C LOW PROFILE*
SINGLE and DUAL OUTPUTS
150W Power Factor Corrected Switchers

Dimensions

Length: 203mm (8in)
Height: 38mm (1.5in)
Width: 106.7mm (4.2in)
Weight: 0.88Kg (2lb)

MODEL PFC VERSION	VOLTAGE	DC OUTPUTS		
		Min.	Conv.	30CFM
PSF-151-033C	3.3V	0A	20A	30A
PSF-151-050C	5.0V	0A	20A	30A
PSF-151-120C	12V	0A	8.2A	12.5A

PSF-151-150C	15V	0A	6.6A	10A
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PSF-151-240C	24V	0A	4A	6A
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PSF-151-480C	48V	0A	2A	3.1A
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PSF-151-201C	5V	2A	20A	30A
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	12V	0A	4.6A	7A
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PSF-151-203C	5V	2A	20A	30A
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	3.3V	0A	6.6A	10A
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PSF-151-211C	3.3V	2A	20A	30A
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	12V	0A	4.6A	7A
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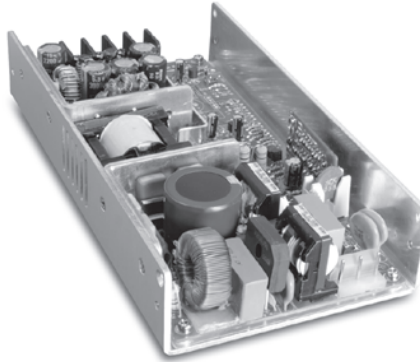
PSF-151-213C	3.3V	2A	20A	30A
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	5V	0A	6.6A	10A
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150W Power Factor Corrected Switchers

PSF-151 Low Profile Single and Dual Outputs



Features

- 2nd Generation Design
- 3.3/5 Volts Available
- Power Factor Correction
- Dedicated Fan Output
- Through Channel Air Flow

Applications

- Networking
- Compact Equipment
- Process Control
- Industrial Microcomputers

Safety Approvals Pending

- cUL 1950, 3rd Edition
- CE (Low Voltage Directive)
- TUV EN60950

Mechanical Characteristics

- Dimensions:
- Length: 203mm (8in)
 - Width: 106.7mm (4.2in)
 - Height: 38mm (1.5in)
 - Weight: 0.88Kg (2lb)

Output Specifications

Model PFC Version	DC Outputs Voltage	Load			Ripple ⁽¹⁾ P-P	Regulation		Max Power	
		Min.	Conv.	30CFM		Line	Load	Conv.	30CFM
PSF151-033C	3.3V	0A	20A	30A	50mV	±0.5%	±5%	66W	99W
PSF151-050C	5V	0A	20A	30A	50mV	±0.5%	±5%	100W	150W
PSF151-120C	12V	0A	8.2A	12.5A	120mV	±0.5%	±3%	100W	150W
PSF151-150C	15V	0A	6.6A	10A	150mV	±0.5%	±3%	100W	150W
PSF151-240C	24V	0A	4A	6A	240mV	±0.5%	±3%	100W	150W
PSF151-480C	48V	0A	2A	3.1A	480mV	±0.5%	±3%	100W	150W
PSF151-201C	5V	2A	20A	30A	50mV	±0.5%	±3%	100W ⁽²⁾	150W ⁽²⁾
	12V	0A	4.6A	7A	120mV	±0.5%	±3%		
PSF151-203C	5V	2A	20A	30A	50mV	±0.5%	±3%	100W ⁽²⁾	150W ⁽²⁾
	3.3V	0A	6.6A	10A	50mV	±0.5%	±3%		
PSF151-211C	3.3V	2A	20A	30A	50mV	±0.5%	±3%	100W ⁽²⁾	150W ⁽²⁾
	12V	0A	4.6A	7A	120mV	±0.5%	±3%		
PSF151-213C	3.3V	2A	20A	30A	50mV	±0.5%	±3%	100W ⁽²⁾	150W ⁽²⁾
	5V	0A	6.6A	10A	50mV	±0.5%	±3%		
Fan(All Models)	12V	0A	0.5A	1A	120mV	±1%	±3%	6W	12W

(1) Measured at full load by using a 12in. twisted pair terminated with a 10mfd capacitor and a 0.1mfd ceramic in parallel.

(2) Combined power of both outputs must not exceed maximum rating.

PSF151 Characteristics

POWER SUPPLY

INPUT:

AC Input Voltage

90-264VAC

AC Input Frequency

47 to 63Hz

AC Input Current

4Arms (120VAC)

2Arms (230VAC)

AC Inrush Current (Cold Start)

35A max., at 120VAC

70A max., at 240VAC

AC Power Factor

EN 61000-3-2

Efficiency

80% Typical

OUTPUT:

Hold-up Time

12msec. typical, 120VAC

(10msec. for PSF151-050C)

Overshoot on Turn-On

<5%

Overvoltage Protection

>120% of Normal

on Main Output

Overcurrent Protection

Auto restart

Short Circuit

ENVIRONMENTAL:

Operation Temperature (Convection)

0 to 50°C Derated to 70°C

Storage Temperature

-20°C to +85°C

Humidity

10 to 90% RH (Non-condensing)

Emissions

FCC Class B

EN 55022B

Immunity

EN 50082-1: 1997

61000-4-2, Level 3

61000-4-3, Level 2

61000-4-4, Level 2

61000-4-5, Level 3

61000-4-6, Level 2

61000-4-11

Power Factor Correction

>0.9 @ full load

Meet EN 61000-3-2

GENERAL:

Leakage Current

Less than 2mA (254VAC)

Dielectric Withstand

Input to Chassis Ground

1500VAC, 1 min., 10mA

Switching Frequency

70KHz (typical)

MTBF (Full load, 25°C)

100K hrs.

(MIL-HDBK-217F)

AC Input Mating Connector

Molex 09-50-3051

DC Output Mating Connector

Terminal Strip, M4 Screw

Fan Mating Connector

Molex 09-50-3041

Dimension Diagram Unit: mm (inch)

